

ENTER
MC
02/22/07

CLAIM AMENDMENTS

1. (currently amended) A gas-measuring device with noise compensation having a gas sensor [(1)] for generating a measurement signal [(S1)] dependent upon gas concentration and which includes a noise component, characterized in that the gas sensor [(1)] has connected downstream thereof a high-pass filter [(13)] with an adjustable limiting frequency and whereby the limiting frequency is predeterminable by means of a selector an evaluating unit as a function of the noise component.

2. (currently amended) The gas-measuring device according to patent claim 1 characterized in that a low-pass filter [(5)] is provided which is connected between the evaluating unit and the gas sensor [(1)].

3. (currently amended) The gas-measuring device according to patent claim 2, characterized in that a computing unit [(6)] is connected between the evaluating unit and the low-pass filter [(5)] and is provided for calculating [(the)] a pitch [(S')] of the filter output signal [(S5)] arising from the low-pass filter 5.

4. (currently amended) The gas-measuring device according to patent claim 1, characterized in that the selector evaluating unit at its output side is connected with a control